

~~11/12~~  
8-20-01

1632

Q.L.  
RAW SEQUENCE LISTING

DATE: 06/29/2001

PATENT APPLICATION: US/09/424,840A

TIME: 13:48:08

Input Set : A:\5649049.app

Output Set: N:\CRF3\06292001\I424840A.raw

3 <110> APPLICANT: BERCHTOLD, Peter  
 4 ESCHER, Robert F.A.  
 6 <120> TITLE OF INVENTION: Anti-GPIIB/IIIA Recombinant Antibodies  
 8 <130> FILE REFERENCE: 100564-09049  
 10 <140> CURRENT APPLICATION NUMBER: US 09/424,840A  
 11 <141> CURRENT FILING DATE: 1999-12-03  
 13 <150> PRIOR APPLICATION NUMBER: DE 19723904.8  
 14 <151> PRIOR FILING DATE: 1997-06-06  
 16 <150> PRIOR APPLICATION NUMBER: DE 19755227.7  
 17 <151> PRIOR FILING DATE: 1997-12-12  
 19 <150> PRIOR APPLICATION NUMBER: DE 19820663.1  
 20 <151> PRIOR FILING DATE: 1998-05-08  
 22 <160> NUMBER OF SEQ ID NOS: 127  
 24 <170> SOFTWARE: PatentIn Ver. 2.1  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 357  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Homo sapiens  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: CDS  
 33 <222> LOCATION: (1)..(357)  
 35 <400> SEQUENCE: 1  
 36 cag gtg aaa ctg ctc gag tcg ggc cca gga ctg gtg aag cct tcg gag 48  
 37 Gln Val Lys Leu Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
 38 1 5 10 15  
 40 acc ctg tcc ctc aac tgc act gtc tct ggt cgc tcc atc agt ggt tac 96  
 41 Thr Leu Ser Leu Asn Cys Thr Val Ser Gly Arg Ser Ile Ser Gly Tyr  
 42 20 25 30  
 44 tct tgg aga tgg atc cgg cag tct cca ggg aag gga cta gag tgg att 144  
 45 Ser Trp Arg Trp Ile Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Ile  
 46 35 40 45  
 48 ggg gat atc tct tat agt ggg agt acc aag tac aaa ccc tcc ctc agg 192  
 49 Gly Asp Ile Ser Tyr Ser Gly Ser Thr Lys Tyr Lys Pro Ser Leu Arg  
 50 50 55 60  
 52 agt cga gtc acc ctg tca gac acg tcc aag aac cag ttc tcc ctg 240  
 53 Ser Arg Val Thr Leu Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
 54 65 70 75 80  
 56 aag ctg aat tcg gtg acc gct gcg gac acg gcc gtc tat tac tgt gcg 288  
 57 Lys Leu Asn Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
 58 85 90 95  
 60 cga gtc ttg ccc ttt gac ccg atc tcg atg gac gtc tgg ggc aaa ggg 336  
 61 Arg Val Leu Pro Phe Asp Pro Ile Ser Met Asp Val Trp Gly Lys Gly  
 62 100 105 110  
 64 acc acg gtc acc gtc tcc tca 357  
 65 Thr Thr Val Thr Val Ser Ser  
 66 115  
 69 <210> SEQ ID NO: 2

ENTERED

**RAW SEQUENCE LISTING**

DATE: 06/29/2001  
TIME: 13:48:08

**Input Set : A:\5649049.app**  
**Output Set: N:\CRF3\06292001\I424840A.raw**

70 <211> LENGTH: 119  
 71 <212> TYPE: PRT  
 72 <213> ORGANISM: Homo sapiens  
 74 <400> SEQUENCE: 2

75	Gln	Val	Lys	Leu	Leu	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
76	1				5					10					15	
78	Thr	Leu	Ser	Leu	Asn	Cys	Thr	Val	Ser	Gly	Arg	Ser	Ile	Ser	Gly	Tyr
79					20				25					30		
81	Ser	Trp	Arg	Trp	Ile	Arg	Gln	Ser	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
82					35				40					45		
84	Gly	Asp	Ile	Ser	Tyr	Ser	Gly	Ser	Thr	Lys	Tyr	Lys	Pro	Ser	Leu	Arg
85							50			55			60			
87	Ser	Arg	Val	Thr	Leu	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
88							65		70		75				80	
90	Lys	Leu	Asn	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
91							85				90				95	
93	Arg	Val	Leu	Pro	Phe	Asp	Pro	Ile	Ser	Met	Asp	Val	Trp	Gly	Lys	Gly
94							100			105				110		
96	Thr	Thr	Val	Thr	Val	Ser	Ser									
97						115										
101	<210>	SEQ ID NO:	3													
102	<211>	LENGTH:	333													
103	<212>	TYPE:	DNA													
104	<213>	ORGANISM:	Homo sapiens													
106	<220>	FEATURE:														
107	<221>	NAME/KEY:	CDS													
108	<222>	LOCATION:	(1)..(333)													
110	<400>	SEQUENCE:	3													
111	gtg	gtg	act	cag	cca	ccc	tca	gcg	tct	ggg	acc	ccc	ggg	cag	tgg	gtc
112	Val	Val	Thr	Gln	Pro	Pro	Ser	Ala	Ser	Gly	Thr	Pro	Gly	Gln	Trp	Val
113	1				5						10				15	
115	acc	atc	tct	tgt	tct	ggg	agc	agc	tcc	aac	atc	aga	agt	aat	cct	gtt
116	Thr	Ile	Ser	Cys	Ser	Gly	Ser	Ser	Ser	Asn	Ile	Arg	Ser	Asn	Pro	Val
117							20			25				30		
119	agc	tgg	tat	cac	cag	gtc	cca	ggc	acg	gcc	ccc	aaa	ctc	ctc	atc	ttt
120	Ser	Trp	Tyr	His	Gln	Val	Pro	Gly	Thr	Ala	Pro	Lys	Leu	Leu	Ile	Phe
121							35			40			45			
123	ggt	agt	cat	cag	cgg	ccc	tca	ggg	gtc	cct	gac	cga	ttc	tct	ggc	tcc
124	Gly	Ser	His	Gln	Arg	Pro	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser
125							50			55			60			
127	aag	tgc	ggc	acc	tcc	gcc	tcc	ctg	gcc	atc	cgt	ggg	ctc	caa	tct	ggg
128	Lys	Ser	Gly	Thr	Ser	Ala	Ser	Leu	Ala	Ile	Arg	Gly	Leu	Gln	Ser	Gly
129	65	:						70			75				80	
131	gat	gct	ggt	gac	tat	tac	tgt	gca	aca	tgg	gat	gac	ggc	ctc	aat	ggt
132	Asp	Ala	Gly	Asp	Tyr	Tyr	Cys	Ala	Thr	Trp	Asp	Asp	Gly	Leu	Asn	Gly
133								85			90				95	
135	ccg	gtg	ttc	ggc	gga	ggg	acc	aag	ctg	acc	gtc	cta	agt	cag	ccc	
136	Pro	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Ser	Gln	Pro	
137								100			105			110		

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/424,840A**

DATE: 06/29/2001  
TIME: 13:48:08

**Input Set : A:\5649049.app**  
**Output Set: N:\CRF3\06292001\I424840A.raw**

140 <210> SEQ ID NO: 4  
 141 <211> LENGTH: 111  
 142 <212> TYPE: PRT  
 143 <213> ORGANISM: Homo sapiens  
 145 <400> SEQUENCE: 4

146	Val	Val	Thr	Gln	Pro	Pro	Ser	Ala	Ser	Gly	Thr	Pro	Gly	Gln	Trp	Val
147	1				5					10					15	
149	Thr	Ile	Ser	Cys	Ser	Gly	Ser	Ser	Asn	Ile	Arg	Ser	Asn	Pro	Val	
150					20				25					30		
152	Ser	Trp	Tyr	His	Gln	Val	Pro	Gly	Thr	Ala	Pro	Lys	Leu	Leu	Ile	Phe
153						35			40			45				
155	Gly	Ser	His	Gln	Arg	Pro	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser
156						50			55			60				
158	Lys	Ser	Gly	Thr	Ser	Ala	Ser	Leu	Ala	Ile	Arg	Gly	Leu	Gln	Ser	Gly
159	65						70			75					80	
161	Asp	Ala	Gly	Asp	Tyr	Tyr	Cys	Ala	Thr	Trp	Asp	Asp	Gly	Leu	Asn	Gly
162						85				90					95	
164	Pro	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Ser	Gln	Pro	
165						100			105					110		
169	<210>	SEQ	ID	NO:	5											
170	<211>	LENGTH:	369													
171	<212>	TYPE:	DNA													
172	<213>	ORGANISM:	Homo sapiens													
174	<220>	FEATURE:														
175	<221>	NAME/KEY:	CDS													
176	<222>	LOCATION:	(1)..(369)													
178	<400>	SEQUENCE:	5													
179	cag	gtg	aaa	ctg	ctc	gag	tct	ggg	gga	ggc	gtg	gtc	cag	cct	ggg	agg
180	Gln	Val	Lys	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
181	1				5					10					15	
183	tcc	ctg	aga	ctc	tcc	tgt	gca	gcc	tct	gga	ttc	acc	ttc	agt	agc	tat
184	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
185						20			25					30		
187	gct	atg	cac	tgg	gtc	cgc	cag	gct	cca	ggc	aag	ggg	ctg	gag	tgg	gtg
188	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
189						35			40			45				
191	gca	gtt	ata	tca	tat	gat	gga	agc	aat	aaa	tac	tac	gca	gac	tcc	gtg
192	Ala	Val	Ile	Ser	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Ala	Asp	Ser	Val
193						50			55			60				
195	aag	ggc	cga	ttc	gcc	atc	tcc	aga	gac	aat	tcc	aag	aac	acg	ctg	tat
196	Lys	Gly	Arg	Phe	Ala	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
197	65						70			75					80	
199	ctg	caa	atg	aac	agc	ctg	aga	gct	gag	gac	acg	gct	gtg	tat	tac	tgt
200	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
201						85			90					95		
203	gcg	aga	gca	ctg	ggg	agg	tgg	ggg	ggt	tgg	gac	cac	tac	atg	gac	gtc
204	Ala	Arg	Ala	Leu	Gly	Ser	Trp	Gly	Gly	Trp	Asp	His	Tyr	Met	Asp	Val
205						100			105					110		
207	tgg	ggc	aaa	qqq	acc	acg	gtc	acc	gtc	tcc	tca	-				

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/424,840A

DATE: 06/29/2001  
TIME: 13:48:08

Input Set : A:\5649049.app  
Output Set: N:\CRF3\06292001\I424840A.raw

208 Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser  
209 115 120  
212 <210> SEQ ID NO: 6  
213 <211> LENGTH: 123  
214 <212> TYPE: PRT  
215 <213> ORGANISM: Homo sapiens  
217 <400> SEQUENCE: 6  
218 Gln Val Lys Leu Leu Glu Ser Gly Gly Val Val Gln Pro Gly Arg  
219 1 5 10 15  
221 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
222 20 25 30  
224 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
225 35 40 45  
227 Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
228 50 55 60  
230 Lys Gly Arg Phe Ala Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
231 65 70 75 80  
233 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
234 85 90 95  
236 Ala Arg Ala Leu Gly Ser Trp Gly Gly Trp Asp His Tyr Met Asp Val  
237 100 105 110  
239 Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser  
240 115 120  
244 <210> SEQ ID NO: 7  
245 <211> LENGTH: 333  
246 <212> TYPE: DNA  
247 <213> ORGANISM: Homo sapiens  
249 <220> FEATURE:  
250 <221> NAME/KEY: CDS  
251 <222> LOCATION: ..(1)..(333)  
253 <400> SEQUENCE: 7  
254 gtg gtg act cag cca ccc tca gcg tct ggg acc ccc ggg cag agg gtc 48  
255 Val Val Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val  
256 1 5 10 15  
258 acc atc tct tgt tct gga agc agc tcc aac atc gga agt aat act gta 96  
259 Thr Ile Ser Cys Ser Ser Ser Asn Ile Gly Ser Asn Thr Val  
260 20 25 30  
262 aac tgg tac cag cag ctc cca gga acg gcc ccc aaa ctc ctc atc tat 144  
263 Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
264 35 40 45  
266 agt aat aat cag cgg ccc tca ggg gtc cct gac cga ttc tct ggc tcc 192  
267 Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
268 50 55 60  
270 aag tct ggc acc tca gcc tcc ctg gcc atc agt ggg ctc cag tct gag 240  
271 Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu  
272 65 70 75 80  
274 gat gag gct gat tat tac tgt gca gca tgg gat gac agc ctg aat ggt 288  
275 Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly  
276 85 90 95

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/424,840A

DATE: 06/29/2001  
TIME: 13:48:08

Input Set : A:\5649049.app  
Output Set: N:\CRF3\06292001\I424840A.raw

278 tgg gtg ttc ggc gga ggg acc aag ctg acc gtc cta ggt cag ccc' 333  
 279 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro  
 280 100 105 110  
 283 <210> SEQ ID NO: 8  
 284 <211> LENGTH: 111  
 285 <212> TYPE: PRT  
 286 <213> ORGANISM: Homo sapiens  
 288 <400> SEQUENCE: 8  
 289 Val Val Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val  
 290 1 5 10 15  
 292 Thr Ile Ser Cys Ser Gly Ser Ser Asn Ile Gly Ser Asn Thr Val  
 293 20 25 30  
 295 Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr  
 296 35 40 45  
 298 Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser  
 299 50 55 60  
 301 Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu  
 302 65 70 75 80  
 304 Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly  
 305 85 90 95  
 307 Trp Val Phe Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro  
 308 100 105 110  
 312 <210> SEQ ID NO: 9  
 313 <211> LENGTH: 369  
 314 <212> TYPE: DNA  
 315 <213> ORGANISM: Homo sapiens  
 317 <220> FEATURE:  
 318 <221> NAME/KEY: CDS  
 319 <222> LOCATION: (1)..(369)  
 321 <400> SEQUENCE: 9 48  
 322 cag gtg aaa ctg ctc gag tct ggg gga ggc ttg gtt cac ccc ggg ggg  
 323 Gln Val Lys Leu Leu Glu Ser Gly Gly Leu Val His Pro Gly Gly  
 324 1 5 10 15  
 326 tcc ctg aga ctc tct tgt gca gcc tct gga ttt acg ttt gac aac ttt 96  
 327 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asn Phe  
 328 20 25 30  
 330 gcc atg agc tgg gtc cgc cag gct cca ggg aag ggg ctg gag tgg gtc 144  
 331 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 332 35 40 45  
 334 tca ggc att agt ggt ggt ggt ctt ttg aca cac tac gca gac tcc gtg 192  
 335 Ser Gly Ile Ser Gly Gly Leu Leu Thr His Tyr Ala Asp Ser Val  
 336 50 55 60  
 338 aag ggc cgg ttc acc atc tcc aga aac aat tcc agg aac act gta tac 240  
 339 Lys Gly Arg Phe Thr Ile Ser Arg Asn Asn Ser Arg Asn Thr Val Tyr  
 340 65 70 75 80  
 342 cta caa atg aac agc ctg aga gcc gaa gac acg gcc gtg tat tat tgt 288  
 343 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 344 85 90 95  
 346 gtg aga gat ctg ggc tat aga gta ctt tcg act ttt act ttt gat atc 336

**VERIFICATION SUMMARY** DATE: 06/29/2001  
PATENT APPLICATION: US/09/424,840A TIME: 13:48:09

Input Set : A:\5649049.app  
Output Set: N:\CRF3\06292001\I424840A.raw